

JASON D. EASTMAN

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EDUCATIONAL BACKGROUND

- 2005–Present The Ohio State University, Graduate Student, Ph.D. Expected August 2011
Thesis: DEMONEX: The DEDicated MONitor of EXotransits
Advisor: B. Scott Gaudi
- 2007 The Ohio State University, M.S. in Astronomy
- 2005 Boston University, B.A. in Astronomy and Physics, Cum Laude

AWARDS, FELLOWSHIPS, AND HONORS

- 2010 Presidential Fellowship (The Ohio State University)
- 2010 Allan Markowitz Award in Observational Astronomy (The Ohio State University)
- 2007 Price Instrumentation Fellowship (The Ohio State University)
- 2005 Price Instrumentation Fellowship (The Ohio State University)
- 2005 College Prize Recipient (Boston University)
- 2005 Institute for Astrophysical Research Prize Recipient (Boston University)
- 2001-2005 Dean's Scholar (Boston University)

TELESCOPE EXPERIENCE

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|--------------|-------------------------|-----------|--------------------------------------|
| 2008–Present | 0.5m Winer Observatory | 62 Nights | DEMONEX Commissioning, Maintenance |
| 2005–Present | 2x8.4m LBT Observatory | 36 Nights | LBC/LBT Commissioning, Aluminization |
| 2005–Present | 2.4m MDM Observatory | 35 Nights | Optical Imaging/Spectroscopy |
| 2005–Present | 1.3m MDM Observatory | 35 Nights | 4K Commissioning, Transits, AGN |
| 2007 | CTIO | 7 Nights | SMARTS Consortium Maintenance |
| 2006 | 2.5m Du Pont | 7 Nights | Multi Object Spectroscopy of AGN |
| 2002–2005 | 1.8m Lowell Observatory | 8 Nights | PRISM Commissioning, Open Clusters |

INSTRUMENTATION EXPERIENCE

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| 2008–Present | DEMONEX procurement, assembly, automation | Robotic Telescope |
| 2006–2007 | LBT Primary Mirror Aluminization (2x) | 8.4m Mirror Aluminization |
| 2007 | 4K Commissioning, Reduction Pipeline | Imager |
| 2007 | SMARTS Consortium Maintenance | Telescope, Detector |
| 2006 | LBC/LBT Commissioning, wavefront sensing | Telescope, Imager, Active Optics |
| 2002–2005 | PRISM development, testing, commissioning | Multi-object spectrograph, imager |

REFEREED PUBLICATIONS

1. “TYC 1240-00945-1b: A Short-Period, Brown Dwarf Desert Candidate from the SDSS-III MARVELS Planet Search” Lee, B. L., et al. (incl. **Eastman, J.D.**), 2010, ApJ, Submitted
2. “Reverberation Mapping Measurements of Black Hole Masses in Six Local Seyfert Galaxies” Denney, K. D., et al. (incl. **Eastman, J.D.**), 2010, ApJ, 721, 715
3. “Frequency of Solar-like Systems and of Ice and Gas Giants Beyond the Snow Line from High-magnification Microlensing Events in 2005-2008” Gould, A., et al. (incl. **Eastman, J.D.**), 2010, ApJ, 720, 1073
4. “Pre-discovery and Follow-up Observations of the Nearby SN 2009nr: Implications for Prompt Type Ia SNe” Khan, R., et al. (incl. **Eastman, J. D.**), 2010, ApJ, Submitted, (arXiv:1008.4126)
5. “Discovery of a Low-Mass Companion to a Metal-Rich F Star with the MARVELS Pilot Project” Fleming, S. W., et al. (incl. **Eastman, J. D.**), 2010, ApJ, 718, 1186
6. “Achieving better than 1 minute accuracy in the Heliocentric and Barycentric Julian Dates” **Eastman, J. D.**, Siverd, R. J., & Gaudi. B. S., 2010, PASP, 122, 935
7. “Variability and stability in blazar jets on time-scales of years: optical polarization monitoring of OJ 287 in 2005-2009” Villforth, C., et al. (incl. **Eastman, J.D.**), 2010, MNRAS, 402, 2087
8. “Diverse Kinematic Signatures from Reverberation Mapping of the Broad-Line Region in AGNs” Denney, K. D., et al. (incl. **Eastman, J.D.**)”, 2009, ApJL, 704, L80
9. “A Revised Broad-line Region Radius and Black Hole Mass for the Narrow-line Seyfert 1 NGC 4051” Denney, K. D., et al. (incl. **Eastman, J.D.**), 2009, ApJ, 702, 1353
10. “Extreme Magnification Microlensing Event OGLE-2008-BLG-279: Strong Limits on Planetary Companions to the Lens Star” Yee, J. C., et al. (incl. **Eastman, J.D.**), 2009, ApJ, 703, 2082
11. “Tidally Induced Outbursts in OJ 287 during 2005-2008” Valtonen, M. J., et al. (incl. **Eastman, J.D.**), 2009, ApJ, 698, 781
12. “Analytic Approximations for Transit Light-Curve Observables, Uncertainties, and Covariances” Carter, J. A., Yee, J. C., **Eastman, J. D.**, Gaudi, B. S., Winn, J. N., 2008, ApJ, 689, 499
13. “The Mass of the Black Hole in the Quasar PG 2130+099” Grier, C. J., et al. (incl. **Eastman, J. D.**), 2008, ApJ, 688, 837
14. “First-Year Spectroscopy for the Sloan Digital Sky Survey-II Supernova Survey” Zheng, C., et al. (incl. **Eastman, J.D.**), 2008, AJ, 135, 1766
15. “The Sloan Digital Sky Survey-II Supernova Survey: Technical Summary” Frieman, J. A., et al. (incl. **Eastman, J.D.**), 2008, AJ, 135, 338
16. “First Measurement of a Rapid Increase in the AGN Fraction in High-Redshift Clusters of Galaxies” **Eastman, J. D.**, Martini, P., Sivakoff, G., Kelson, D. D., Mulchaey, J. S., & Tran, K., 2007, ApJL, 664, 9
17. “A Study of the Type Ia/IIIn Supernova 2005gj from X-ray to the Infrared: Paper I” Prieto, J. L.,

- et al. (incl. **Eastman, J.D.**), 2007, AJ, Submitted (arXiv:0706.4088)
18. “The Peculiar SN 2005hk: Do Some Type Ia Supernovae Explode as Deflagration?” Phillips, M. M., et al. (incl. **Eastman, J.D.**), 2007, PASP, 119, 360
 19. “Exploring Broadband GRB Behavior during γ -Ray Emission” Yost, S.A., et al. (incl. **Eastman, J.D.**), 2007, ApJ, 2007, 657, 925
 20. “Photometry of neglected open clusters in the first and fourth Galactic quadrants” Carraro, G., Janes, K. A., & **Eastman, J. D.** 2005, MNRAS, 364, 179

CONFERENCE PROCEEDINGS

1. “DEMONEX: the DEDicated MONitor of EXotransits”
Eastman, J. D., Gaudi, B. S., Siverd, R. J., Trueblood, M., Trueblood, P., 2010, Proc of the SPIE, 7733, 110
2. “TYC 1240-945-1b: First Brown Dwarf Candidate from the SDSS-III-MARVELS Planet Search”
Lee et al. (incl. **Eastman, J.D.**), 2010, Bulletin of the American Astronomical Society, 41, 519
3. “Binary Science from the MARVELS Pilot Project: Detection of a Candidate Substellar Companion and Identification of Eclipsing Binaries with Archival SuperWASP Data” Fleming et al. (incl. **Eastman, J.D.**), 2010, Bulletin of the American Astronomical Society, 41, 518
4. “DEMONEX: the DEDicated MONitor of EXotransits” Gaudi, B. Scott, **Eastman, J. D.**, 2009, American Astronomical Society Meeting Abstracts, 214, #201.02
5. “DEMONEX: The DEDicated MONitor of EXotransits”
Eastman, J. D.; Gaudi, B. S.; DePoy, D. L., 2009, IAU Symposium, 253, 408
6. “Analytic approximations for transit light curve observables and uncertainties” Carter, Joshua A., Yee, Jennifer C., **Eastman, Jason**, Gaudi, B. Scott, Winn, Joshua N., IAU Symposium, 253, 392
7. “Multi-slit mask fabrication on spherical electroformed shell substrates” O’Brien, Thomas P.; **Eastman, Jason D.**, 2006, Proc of the SPIE, 6273, 89
8. “An image motion compensation system for the multi-object double spectrograph” Marshall, J. L., O’Brien, Thomas P., Atwood, Bruce, Byard, Paul L., DePoy, D. L., Derwent, Mark, **Eastman, Jason D.**, Gonzalez, Raymond, Pappalardo, Daniel P., Pogge, Richard W., 2006, Proc of the SPIE, 6269, 51
9. “Photometry of neglected open clusters in the first and fourth Galactic quadrants” Carraro, Giovanni; Janes, Kenneth A.; **Eastman, Jason D.**, 2005 MNRAS, 364, 179C

10. “First Results from the Perkins Re-Imaging System (PRISM)” Janes, K. A., Clemens, D. P., Hayes-Gehrke, M. N., **Eastman, J. D.**, Sarcia, D. S., Bosh, A. S., 2004, AAS, 204, 1001

NON-REFEREED PUBLICATIONS _____

1. “High-Accuracy Measurements of Variations in Transit Timing: A New Method for Detecting Terrestrial-Class Extrasolar Planets” Haghighipour, N., Agol, E., **Eastman, J. D.**, Ford, E. B., Gaudi, B. S., Holman, M. J., Steffen, J., & Veras, D. 2009, astro2010: The Astronomy and Astrophysics Decadal Survey, 2010, 109
2. “Origin of the Break and Mass-Dependence in the Wide-Binary Projected-Separation Distribution” Gould, Andrew; **Eastman, Jason**, 2006, arXiv:0610799

30 Circulars Submitted to the Central Bureau Electronic Telegrams, IAU, and GRB Coordinates Network